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FIG.1A

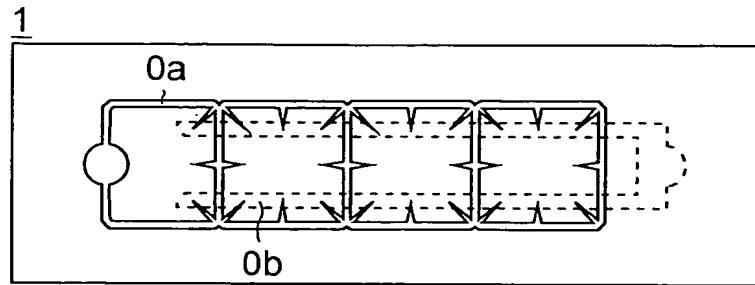


FIG.1B

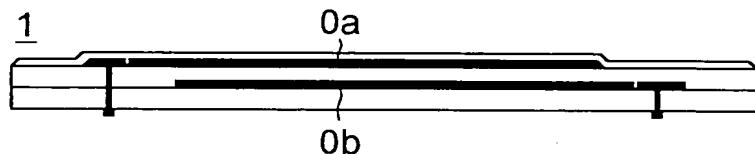


FIG.1C



FIG.1D

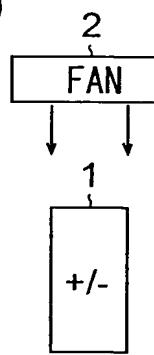


FIG.1H

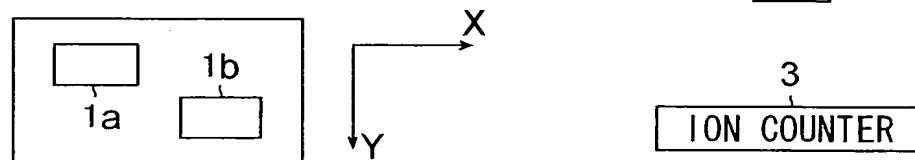


FIG.1E

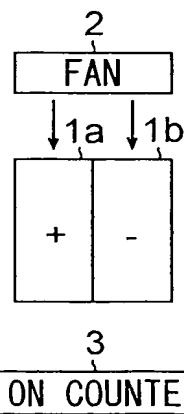


FIG.1F

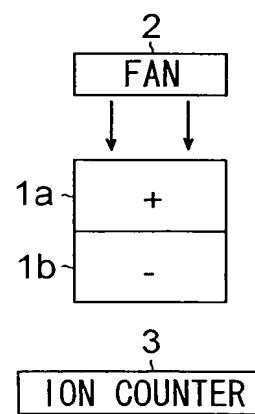
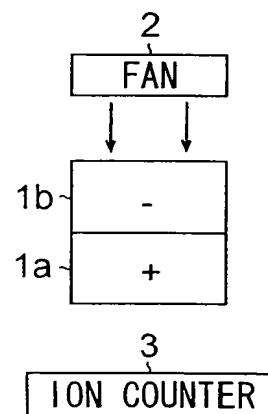


FIG.1G



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FIG.2A

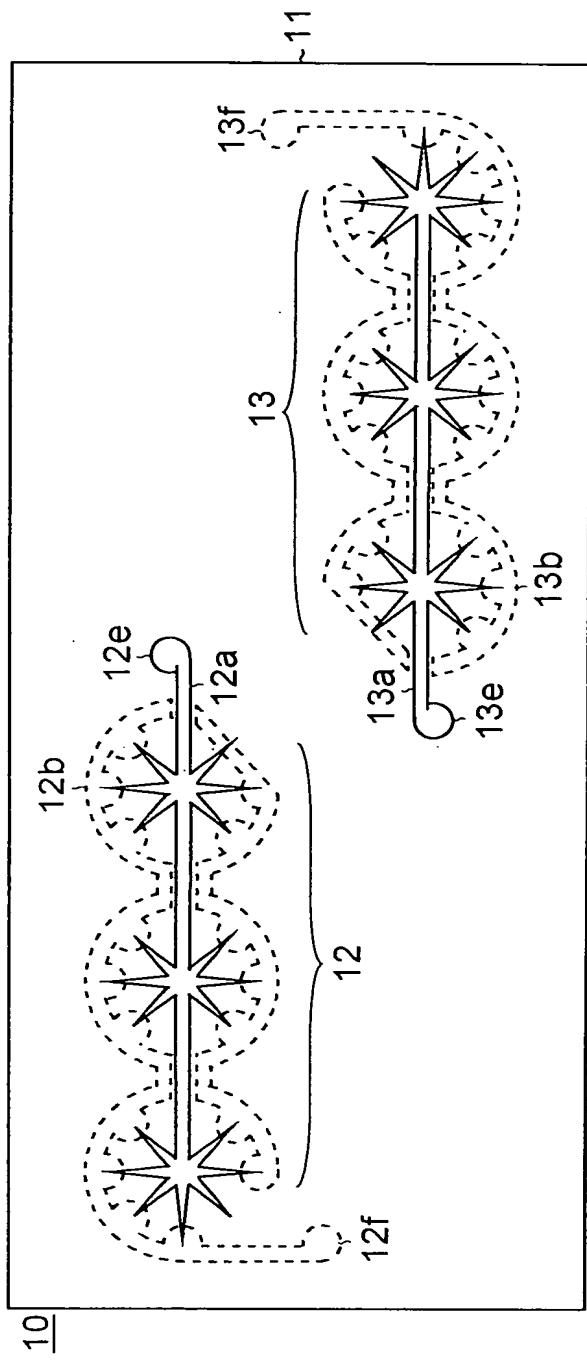
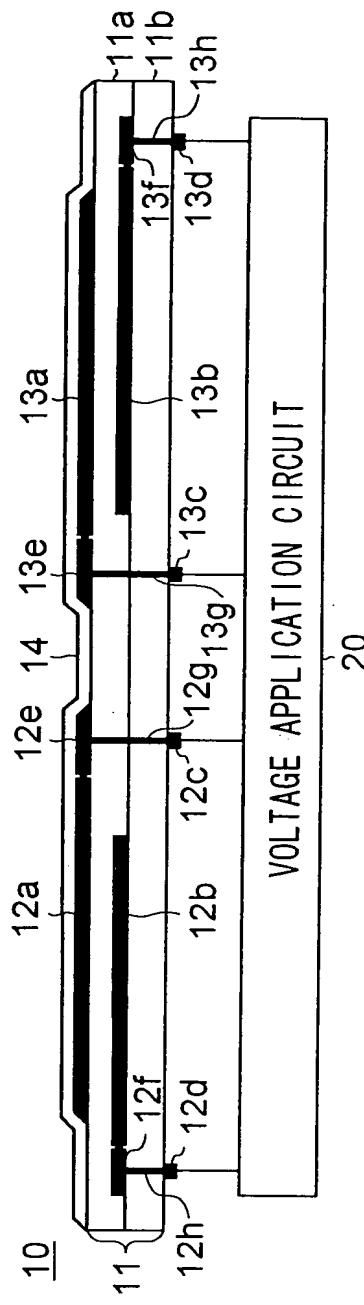


FIG.2B



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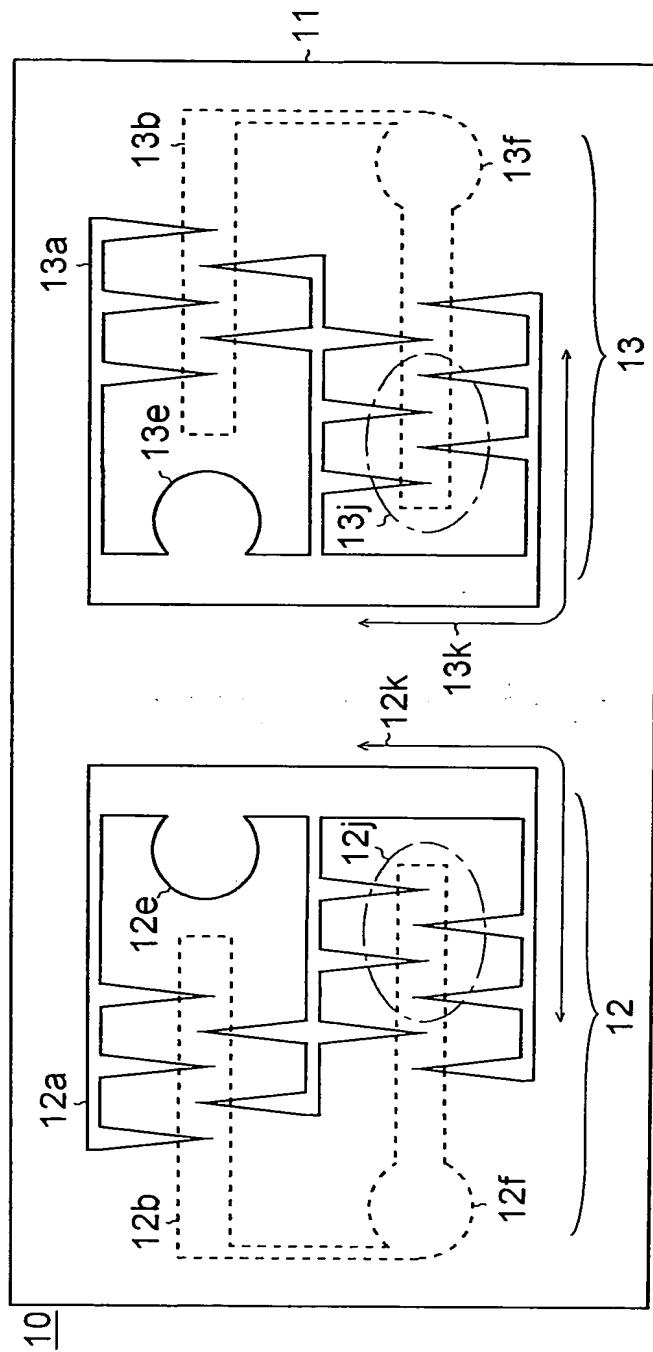


FIG.3

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FIG.4A

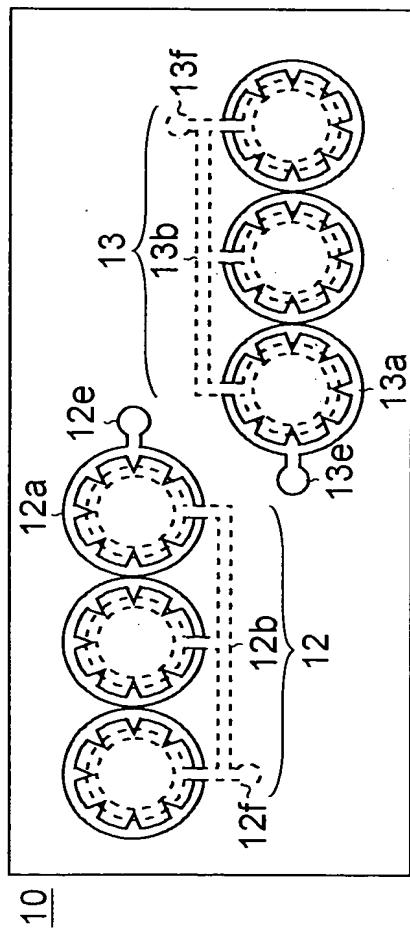
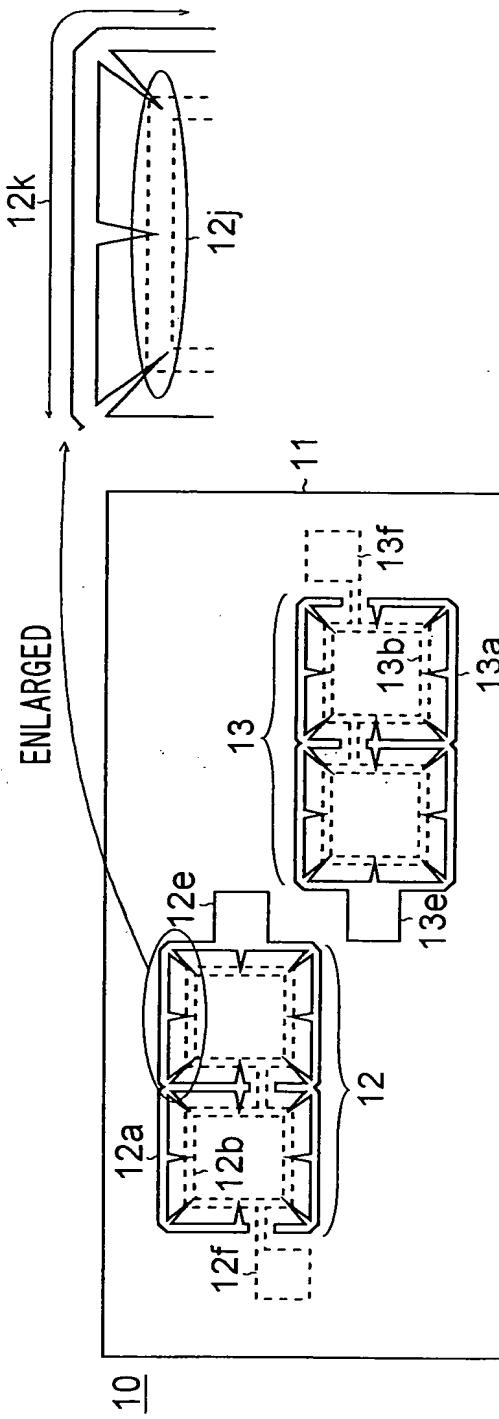
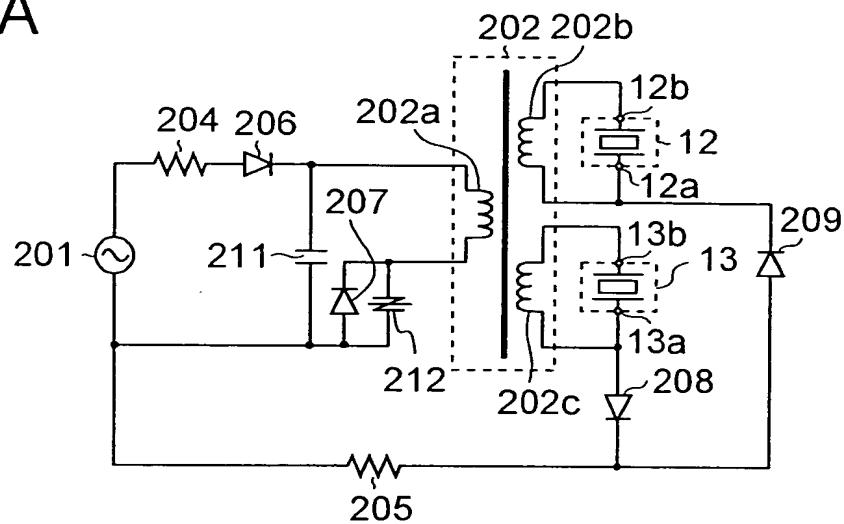
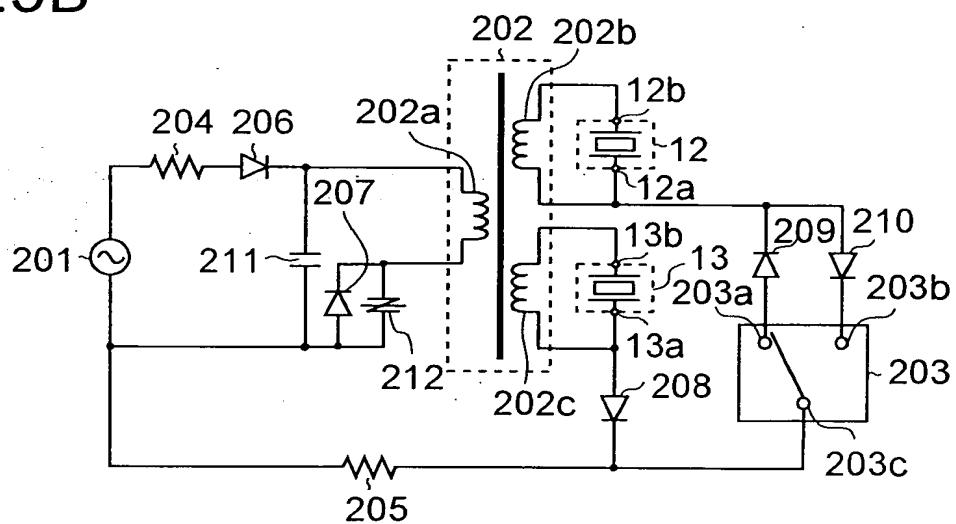
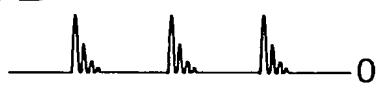
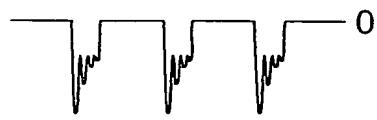


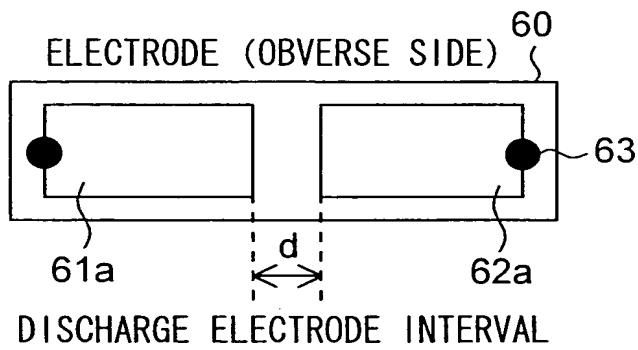
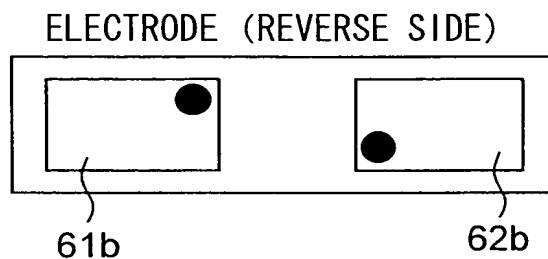
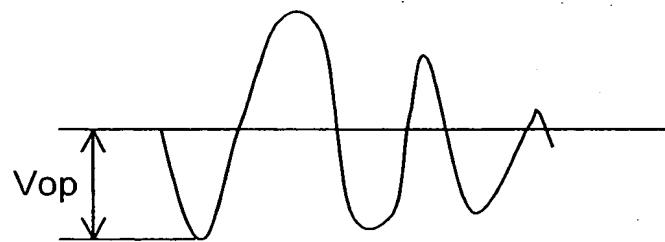
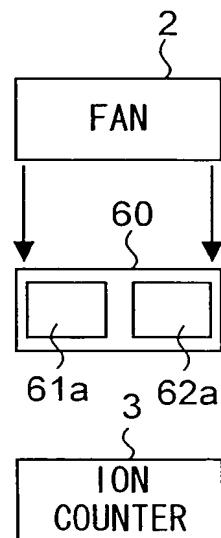
FIG.4B



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FIG.5A**FIG.5B****FIG.5C****FIG.5F****FIG.5D****FIG.5G****FIG.5E**

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FIG.6A**FIG.6B****FIG.6C****FIG.6D**

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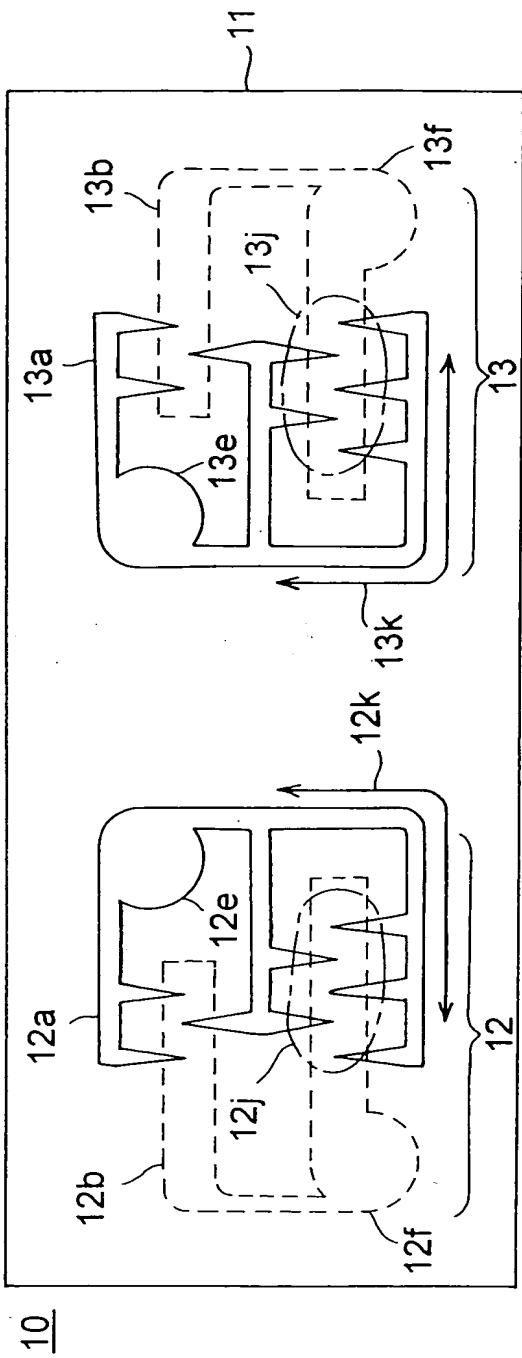
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FIG. 7

DISCHARGE ELECTRODE INTERVAL d [mm]	ION CONCENTRATION [ions/cc]			SPARK OCCURRENCE
	POSITIVE ONLY	NEGATIVE ONLY	SIMULTANEOUS [+/-]	
1				SPARKS OCCURREE
3				SPARKS OCCURRED FOR FIRST SEVERAL MINUTES
5				NO SPARKS
8				NO SPARKS

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FIG.8



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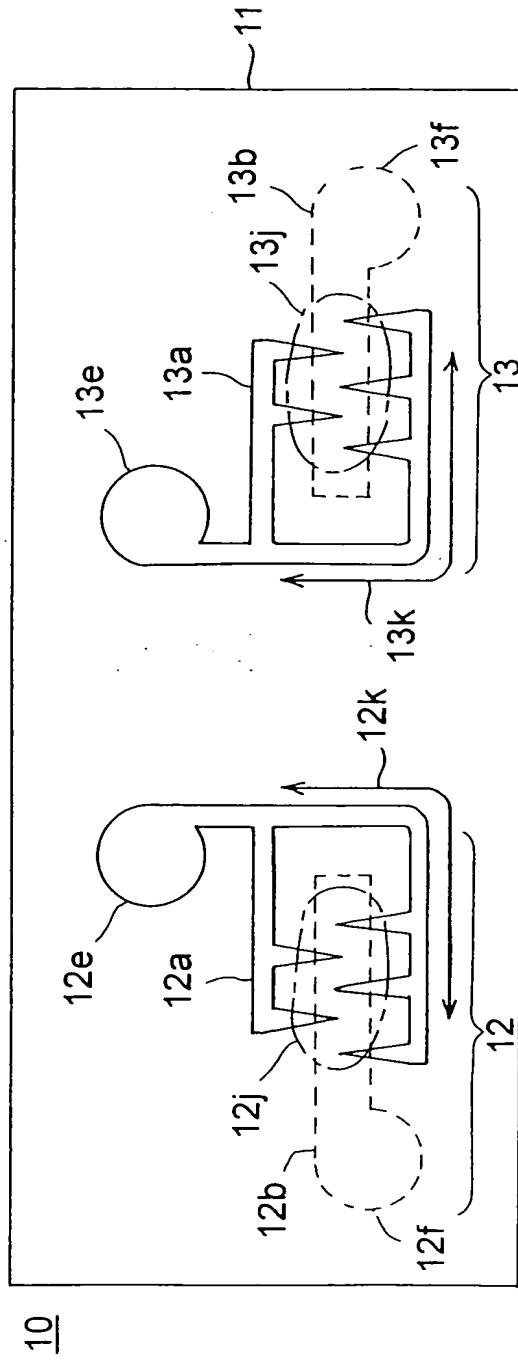
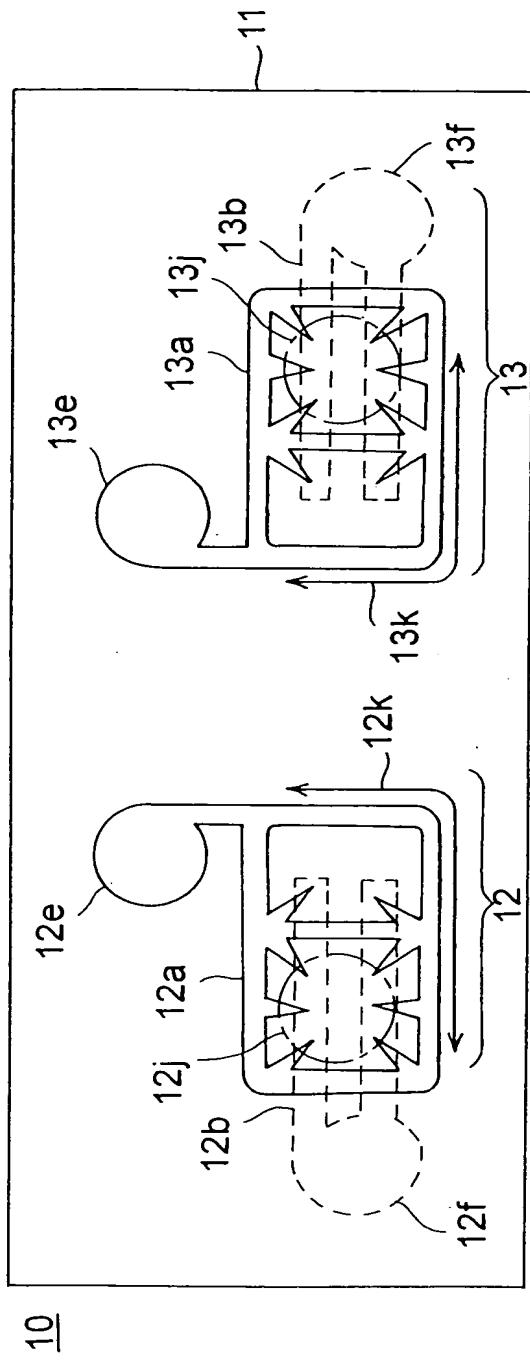


FIG. 9

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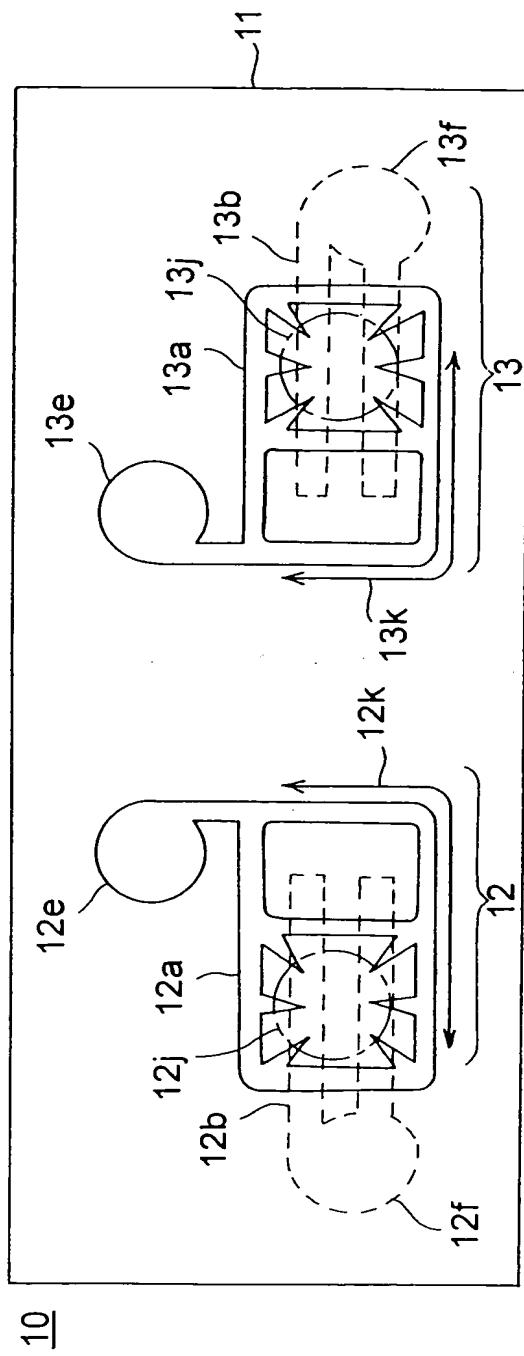
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FIG. 10



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FIG. 11



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FIG.12

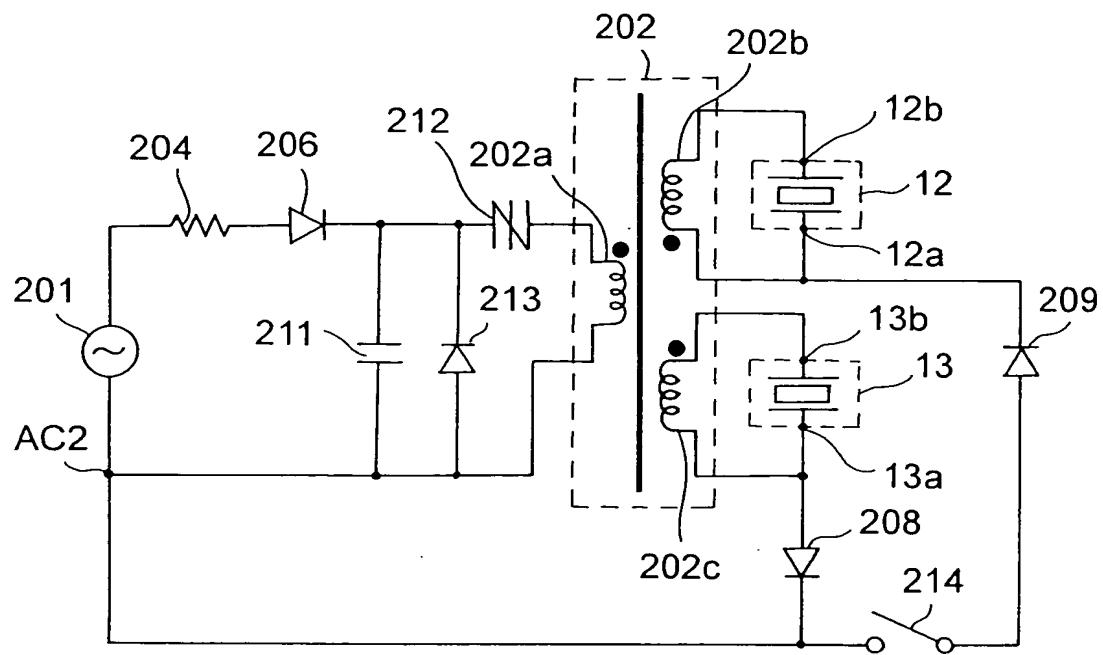
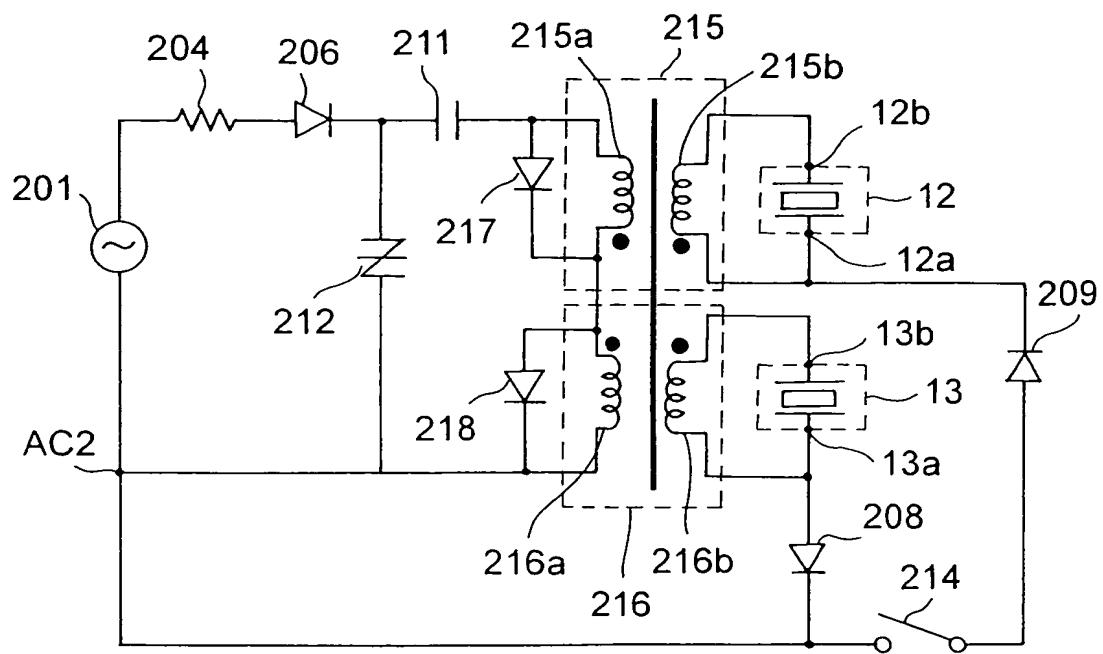


FIG.13



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FIG.14A

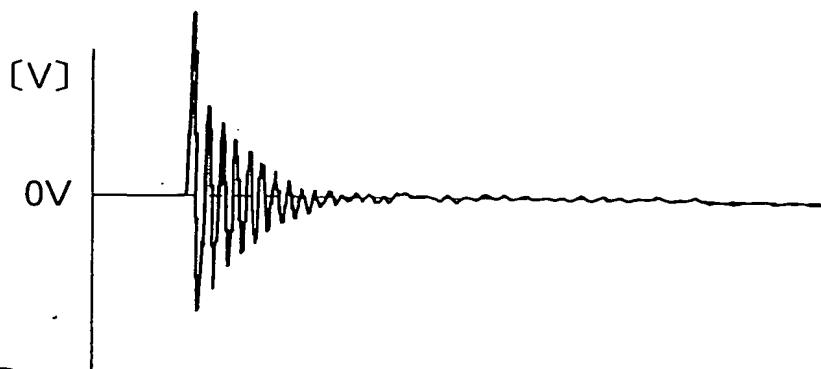
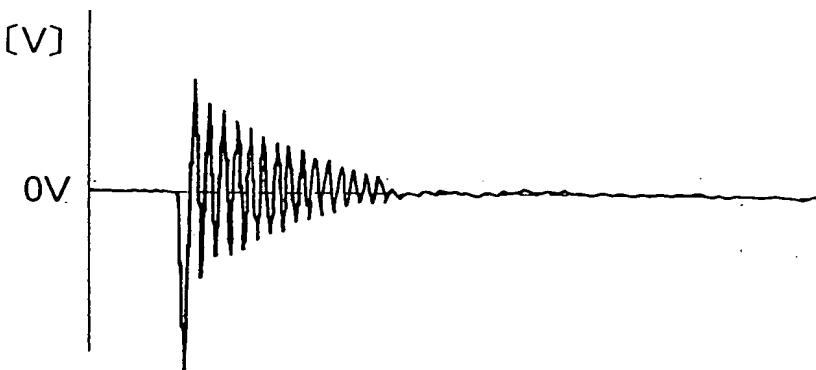


FIG.14B



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FIG.15A

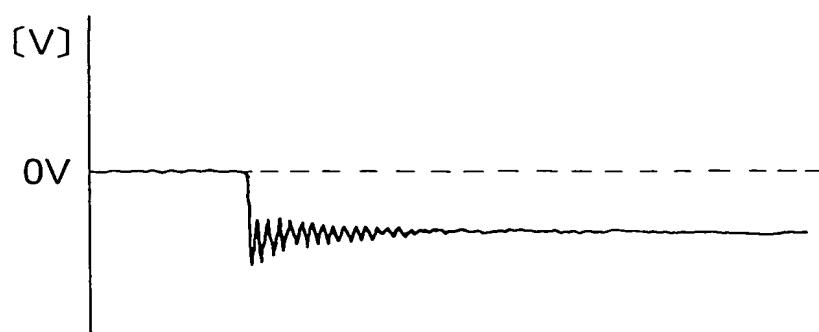
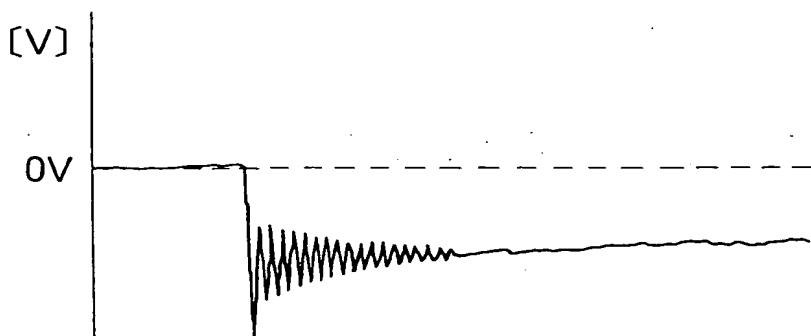


FIG.15B



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FIG.16A

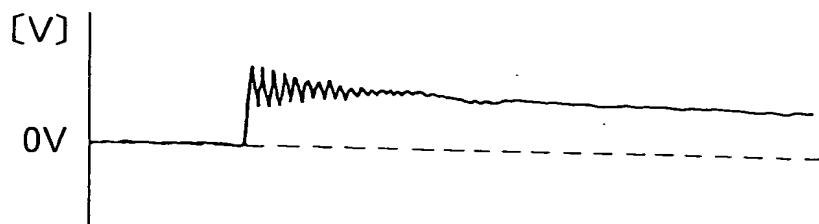
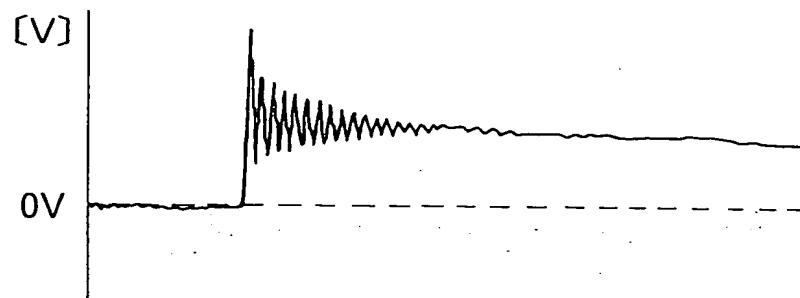


FIG.16B



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FIG.17A

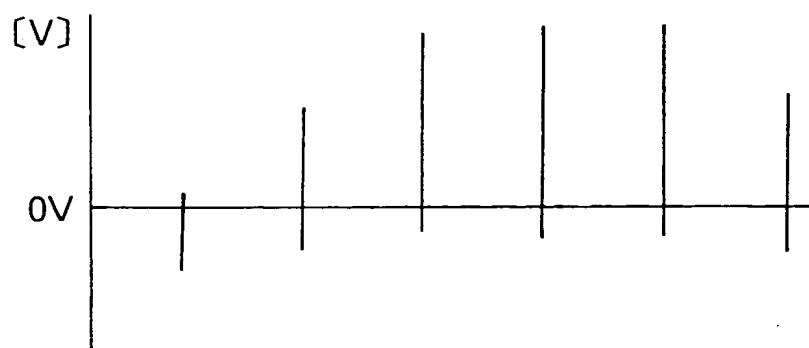
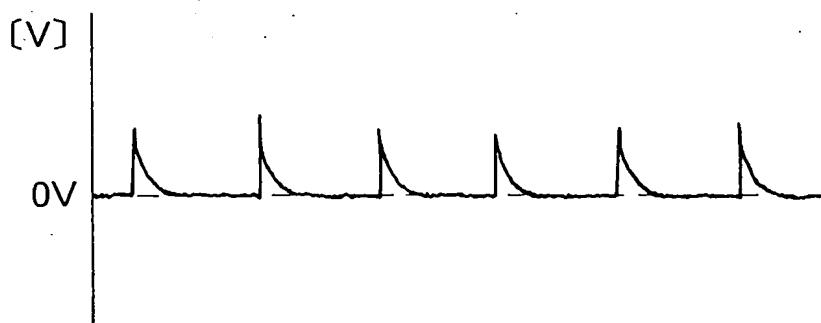
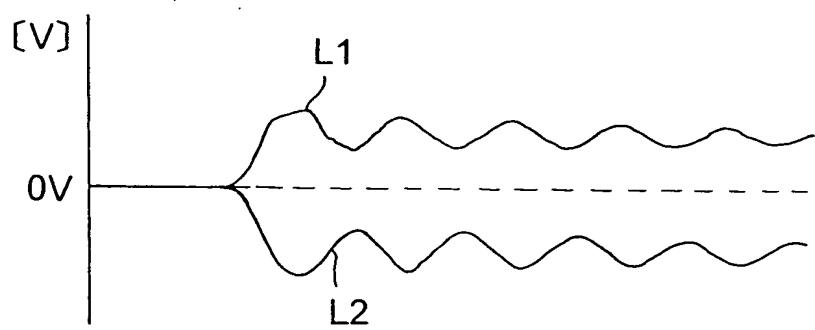
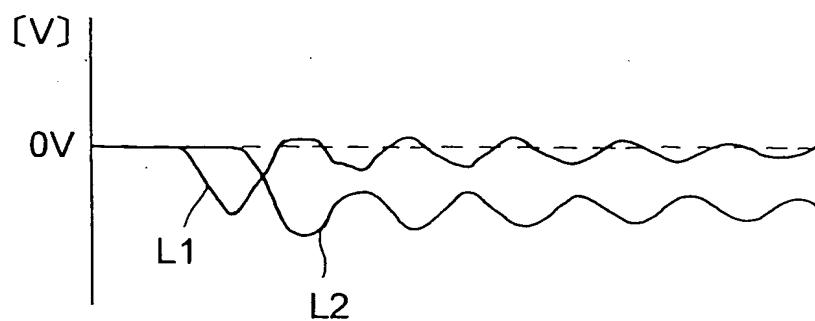


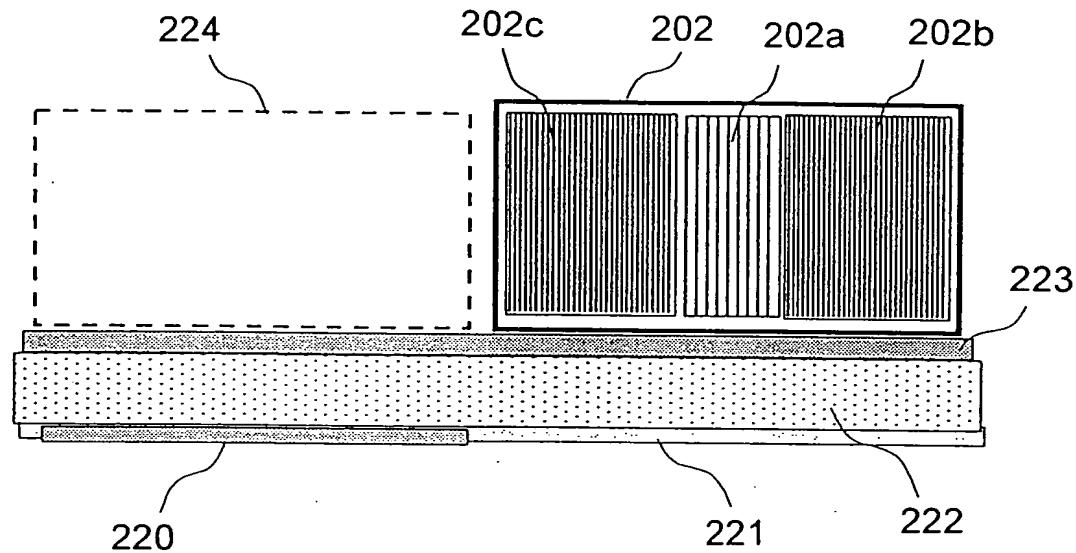
FIG.17B



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FIG. 18A**FIG. 18B**

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FIG.19**FIG.20**